

UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION

PATENT NO. : 7,117,947 B2
APPLICATION NO. : 10/630292
DATED : October 10, 2006
INVENTOR(S) : Dennis Ray Wilson

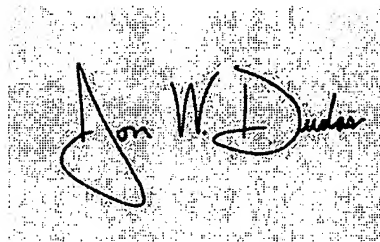
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It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Title page, item (73) please delete "Conoco Phillips Company" and insert
--ConocoPhillips Company--
Column 10, line 19 please delete "position" and insert --positioned--
Column 10, line 27 after "said" please insert -- defined--

Signed and Sealed this

Seventeenth Day of April, 2007

A handwritten signature in black ink, reading "Jon W. Dudas", is written over a rectangular area with a light gray, textured background.

JON W. DUDAS
Director of the United States Patent and Trademark Office